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OM protein - protein search, using sw model

Run on: November 9, 2002, 04:33:17 : Search time 69 Seconds  
(without alignments)  
39.703 Million cell updates/sec

Title: US-09-895-298A-83

Perfect score: 1002  
Sequence: 1 MMNFQPSKAMRASQMTFF.....HDSGLDRSRVQEGNPRA 190

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 92612 seqs, 14418503 residues

Total number of hits satisfying chosen parameters: 92612

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 10%

Listing first 45 summaries

Database :

Published\_Applications\_AA:\*  
1: /cgn2\_6/ptodata/1/pubppaa/US08\_NEW\_PUB.pep:\*  
2: /cgn2\_6/ptodata/1/pubppaa/PCr\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/1/pubppaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/1/pubppaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubppaa/US07\_NEW\_PUB.pep:\*  
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7: /cgn2\_6/ptodata/1/pubppaa/PCrUS\_PUBCOMB.pep:\*  
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11: /cgn2\_6/ptodata/1/pubppaa/US10\_NEW\_PUB.pep:\*  
12: /cgn2\_6/ptodata/1/pubppaa/US10\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/1/pubppaa/US60\_NEW\_PUB.pep:\*  
14: /cgn2\_6/ptodata/1/pubppaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	148	14.8	31	US-09-864-761-44182	Sequence 44182, A
2	77.5	7.7	596	US-09-815-242-5244	Sequence 5244, A
3	77.5	7.7	604	US-09-815-242-12525	Sequence 12525, A
4	77.7	7.7	605	US-09-841-132-574	Sequence 574, App
5	74.5	7.4	330	US-09-815-242-10869	Sequence 10869, A
6	74.5	7.4	405	US-09-966-871-84	Sequence 84, Appl
7	74.5	7.4	405	US-10-039-645-84	Sequence 84, Appl
8	72.5	7.2	191	US-09-828-644-92	Sequence 92, Appl
9	71.5	7.1	307	US-09-825-882-18	Sequence 18, Appl
10	71.5	7.1	415	US-09-823-114-20	Sequence 20, Appl
11	71.1	7.1	176	US-09-788-600-6	Sequence 6, Appl1
12	70.5	7.0	359	US-09-761-962-18	Sequence 18, Appl1
13	70.5	7.0	390	US-09-815-242-11146	Sequence 11146, A
14	70.5	7.0	390	US-09-761-962-25	Sequence 25, Appl
15	70.5	7.0	391	US-09-761-962-26	Sequence 26, Appl
16	70.5	7.0	392	US-09-761-962-19	Sequence 19, Appl
17	70.5	7.0	398	US-09-214-904-2	Sequence 2, Appl1
18	70.5	7.0	398	US-09-761-962-29	Sequence 29, Appl
19	70.5	7.0	398	US-09-966-871-79	Sequence 79, Appl

20	70.5	7.0	398	10	US-09-966-871-83	Sequence 83, Appl
21	70.5	7.0	398	12	US-10-039-645-79	Sequence 79, Appl
22	70.5	7.0	398	12	US-10-039-645-83	Sequence 83, Appl
23	70.5	7.0	399	10	US-09-761-962-21	Sequence 21, Appl
24	70.5	7.0	400	10	US-09-966-871-85	Sequence 85, Appl
25	70.5	7.0	400	12	US-10-039-645-85	Sequence 85, Appl
26	70.5	7.0	401	10	US-09-761-962-20	Sequence 20, Appl
27	70.5	7.0	409	10	US-09-761-962-27	Sequence 27, Appl
28	70.5	7.0	438	10	US-09-761-962-17	Sequence 17, Appl
29	70.5	7.0	444	10	US-09-761-962-28	Sequence 28, Appl
30	70.5	7.0	687	10	US-09-789-919-54	Sequence 54, Appl
31	70	7.0	226	9	US-09-895-913A-64	Sequence 64, Appl
32	70	7.0	226	10	US-09-815-242-11368	Sequence 11368, A
33	70	7.0	1158	10	US-09-834-792-2	Sequence 2, Appl1
34	69.5	6.9	382	10	US-09-993-844-4	Sequence 4, Appl1
35	69.5	6.9	398	10	US-09-823-114-16	Sequence 16, Appl
36	69.5	6.9	398	10	US-09-966-871-1	Sequence 1, Appl1
37	69.5	6.9	398	12	US-10-039-645-1	Sequence 1, Appl1
38	69.5	6.9	400	10	US-09-966-871-86	Sequence 86, Appl
39	69.5	6.9	400	12	US-10-039-645-86	Sequence 86, Appl
40	69.5	6.9	501	10	US-09-934-868-56	Sequence 56, Appl
41	68.5	6.8	586	10	US-09-815-242-13936	Sequence 13936, A
42	68	6.8	1193	10	US-09-756-071B-13	Sequence 13, Appl
43	67.5	6.7	221	12	US-10-041-395-8	Sequence 8, Appl1
44	67.5	6.7	348	10	US-09-884-430-2	Sequence 2, Appl1
45	67.5	6.7	355	10	US-09-867-569-2	Sequence 2, Appl1

#### ALIGNMENTS

RESULT 1  
US-09-864-761-44182  
Sequence 44182, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hazen, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aecomia-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 44182
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: MAP TO AC003108.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78
; OTHER INFORMATION: EST_HUMAN HIT: AWS82253.1, EVALU 2.00e-09
; US-09-864-761-44182

Query Match          14.8%; Score 148; DB 10; Length 31;
Best Local Similarity 100.0%; Pred. No. 1.7e-09;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 131 KMFLIEKILKIDMEKANSSVLREVE 161
Db 1 KMFLIEKILKIDMEKANSSVLREVE 31

RESULT 2
US-09-815-242-5244
; Sequence 5244, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5244
; LENGTH: 596
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
; US-09-815-242-5244
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Query Match          7.7%; Score 77.5; DB 10; Length 596;
Best Local Similarity 22.2%; Pred. No. 2.2;
Matches 48; Conservative 28; Mismatches 75; Indels 65; Gaps 10;

QY 3 NFOPPSKAMRASQMMFFIFLFPSTGVLCTLATI-----WTKPSADCGPP 52
Db 133 SFMPKLHMLSLAEQFYIF-----FVYLTVLLTLTKRKRYIGFIWGVSTIIS----- 181
QY 53 RGLPLFIHSI-----YSWIDT-----LSTPGYLM-----VWYIRNLIGS 88
Db 182 LGLMFIYSINGDSRYVETDTRLOTLLGLVLAFLMPPFKAKNDPPKVVKYVIDSIGS 241
QY 89 VHEFFILTLVLLITYLWQITEGRKIMIRLLEQIINEGDKMFLIEKILKIDMEKK- 147
Db 242 LSFYIVLLFFIINDETNW-ITDGGFYLSIL-----TLFIASVHSPSTWIAKI 290
QY 148 -ANPSSVLREVEEQ-----GFLHGEHSGSL 175
Db 291 FSNPVLVFIKRSYSLYLWHFVAISFVHSYVYDGI 326

RESULT 3
US-09-815-242-12525
; Sequence 12525, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12525
; LENGTH: 604
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
; US-09-815-242-12525

Query Match          7.7%; Score 77.5; DB 10; Length 604;
Best Local Similarity 22.2%; Pred. No. 2.2;
Matches 48; Conservative 28; Mismatches 75; Indels 65; Gaps 10;

QY 3 NFOPPSKAMRASQMMFFIFLFPSTGVLCTLATI-----WTKPSADCGPP 52
Db 139 SFMPKLHMLSLAEQFYIF-----FVYLTVLLTLTKRKRYIGFIWGVSTIIS----- 187
QY 53 RGLPLFIHSI-----YSWIDT-----LSTPGYLM-----VWYIRNLIGS 88
Db 188 LGLMFIYSINGDSRYVETDTRLOTLLGLVLAFLMPPFKAKNDPPKVVKYVIDSIGS 247
```

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OY      89 VHEFFELVLVLLIYLWOLTEGKKIMRLHQLINEGDKMKLEIKLKDOMEKK-   147
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||
Db      248 LSFVILLILEFTINDETNM-LYDGGFYILSTL-----TFLIASVHPSTWIARI   296
          :||::||::||::||::||::||::||::||::||::||::||::||::||
QY      148 -ANPSLVLERREVEQQ-----GFLHLGHDSGL   175
          :||::||::||::||::||::||::||::||::||::||::||::||::||
Db      297 FSNPVLVIFGRKRSYSLYLMHFAYISFVHSYYVDGCI   332
          :||::||::||::||::||::||::||::||::||::||::||::||::||

RESULT 4
US-09-841-132-574
; Sequence 574, Application US/09841132
; Patent NO. US20020061848A1
; GENERAL INFORMATION:
; APPLICANT: Bhatia, Ajay
; APPLICANT: Skelky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841.132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: FastSeq for Windows Version 3.0/4.0
; SEQ ID NO 574
; LENGTH: 605
; TYPE: PRF
; ORGANISM: C. Trachomatis D serovar
; US-09-841-132-574
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Query Match          7.7% ; Score 77 ; DB 10 ; Length 605 ;
Best Local Similarity 23.8% ; Pred. No. 2.5 ;
Matches 31 ; Conservative 26 ; Mismatches 47 ; Indels 26 ; Gaps 7 ;

OY      3  NEPPSKAMRASQMMTFEFLLF--PSF-----TGVLTATITW--RLKPSADCGP 51
      11 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      30  NFR--GSSGWKVAIPSCILFLFLHPRLWIDFGVCTMLACSLSTIFWFSLRSSARI 87
      11 : : : : : : : : : : : : : : : : : : : : : : : : : : : :

OY      52  FRGPLEFHSIYSMIDLTSTRGYLMVY--WIYRNLGSHVEFII-----LTLLIVLLI 102
      11 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      88  FPSLLIYICLIRGLINLASTR---WIISSGWASPLIFALGFNFSLSGSIPIVALIVCLILF 143
      11 : : : : : : : : : : : : : : : : : : : : : : : : : : : :

OY      103 TYLYWQITEG 112
      : : : : :
Db      144 LVNFLVITRK 153

RESULT 5
US-09-815-242-10869
; Sequence 10869, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: EPIRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578

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        PRIOR FILLING DATE: 2000-10-23
        PRIOR APPLICATION NUMBER: 60/253,625
        PRIOR FILING DATE: 2000-11-27
        PRIOR APPLICATION NUMBER: 60/257,931
        PRIOR FILING DATE: 2000-12-22
        PRIOR APPLICATION NUMBER: 60/269,308
        PRIOR FILING DATE: 2001-02-16
        NUMBER OF SEQ ID NOS: 14110
        SOFTWARE: FastSeq for Windows Version 4.0
        SEQ ID NO 10869
        LENGTH: 330
        TYPE: PRF
        ORGANISM: Enterococcus faecalis
US-09-815-242-10869

Query Match      7.4%; Score 74.5; DB 10; Length 330;
Best Local Similarity 21.1%; Pred. No. 2.1;
Matches 36; Conservative 35; Mismatches 67; Indels 33; Gaps 6;

QY      23 LLEPSPFTGVLCIAITTWRLKPSADCGPFRLGLFIHSIYSWIDTLSTPRGYLWVMVY 82
       ||| || |:::| :| | | | | | | | | | | | | | | | | | | | | | | |
Db      37 LLVAPS-AGTISVALSVSTSK-KTSVMGTGIYRLLSLALNI-----LAYIC 79

QY      83 KNLIGSVAFPEFLILIVLIITYLYNQITEGKRIMIRLLHQEIIINEGKD-----KMFLIEK 137
       :| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      80 FTFLGETAIAGIGIFLLDIPAAVPYQLSDGVIYSSVLTVHYVEKNLSMAIIGNEFLIMS 139

QY      138 L-----IKLODEKKANDPSSLVLER--REVBOGDFLHGEHDGSDL 177
       :| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      140 IGVGALLIANSTMPDETKRLREDDDEVILTMRKIILREMAHLINNAAGEENL 190

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RESULT 6
US-09-966-871-84
; Sequence 84, Application US/09966871
; Patent No. US20020127539A1
; GENERAL INFORMATION:
; APPLICANT: Kopin, Alan S.
; TITLE OF INVENTION: Assays for Identifying Receptors Having
; TITLE OF INVENTION: Alterations in Signaling
; FILE REFERENCE: 00398/512002
; CURRENT APPLICATION NUMBER: US/09/966,871
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US 60/236,302
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/288,644
; PRIOR FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 84
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-966-871-84

Query Match          7.4%; Score 74.5; DB 10; Length 405;
Best Local Similarity 23.1%; Pred. No. 2.7;
Matches    31; Conservative   23; Mismatches   43; Indels   37; Gaps    6;

QY      25  FPPSFTGV--ICTTAITWRKPKSDCGPFRGLP-----FHSIYSWI----- 66
           :: || : |:::| : | : | : | : | : | : | : | : | : | : |
Db       155 YNNMPTSIFFLTCTMSVD---RYIAVCHPVKRALDRTPRNAKIINICWMLISSAIGLPVM 210
           ::||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY      67  -DLSTSPG-----YLWVVIIRNLIGSVHFEFILLYLVLLITYLXWQTGRKKNI 117
           ::||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db       211 EMATTKYRQGSIDCTLTSHPTWENELKICVFLEAFIMPLILITTCY-----GLMITL 264
           ::||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY      118 RLHEOIIINEGRDK 131
           || :::: |:|
Db       265 RLKSVRLMSGSKRK 278

```



```
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29, 959
REFERENCE/DOCKET NUMBER: 22000-20526.22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 90-4030 MRSNFOERSMSH
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 415 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: group(9, 12, 33, 40, 48)
OTHER INFORMATION: /note= "extracellular Asn residues
that are consensus sites for N-linked glycosylation"
SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-823-114-20

Query Match
Best Local Similarity 7.1%; Score 71.5; DB 10; Length 415;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;

QY 25 FPPSTGV--LCTLAITWRLKPSADCGPRLPL-----FIHSIYSWI----- 66
DB 150 YNMTSTIFTCTMSVD---RYIACHPVKALDRTPRNAKIIVNCWILSSAIGLPYM 205
QY 67 --DLSTFRPG-----YLVWVYIRNLIGSVHFFILLIYLITLYLWQTEGKIKMI 117
DB 206 FMATTKYRGSGIDCTLTFSHPWYWNELKICVFIFAFIMPVLITVCY-----GLMIL 259
QY 118 RLHEQIINEGDK 131
DB 260 RLKSVRLMSGSEK 273

RESULT 11
US-09-788-600-6
; Sequence 6, Application US/09788600
; Patent No. US20020004489A1
; GENERAL INFORMATION:
; APPLICANT: Shi et al.
; TITLE OF INVENTION: Retinoid Receptor Interacting Polynucleotides, Polypeptides, and
; FILE REFERENCE: PTO17P1
; CURRENT APPLICATION NUMBER: US/09/788, 600
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: PCT/US00/22351
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/189,026
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/148,757
; PRIOR FILING DATE: 1999-08-16
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 6
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-788-600-6

Query Match
Best Local Similarity 7.1%; Score 71; DB 10; Length 176;
Matches 24; Conservative 16; Mismatches 26; Indels 16; Gaps 3;

QY 119 LHHEQIINEGDKMLI-----EKLIK-LDMEKANPSSVLERRR--VEQ 162
DB 74 LIAKAVATECKTTFNISSTVSKRWGSEKLVLFELARYHAPSTIFDELSEVMSQ 133
QY 163 QGFLHGEHDSLDLRSSVQ 184
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DB 134 RCTASGEHGSILRMKTELLVQ 155

RESULT 12
US-09-761-962-18
; Sequence 18, Application US/09761962
; Patent No. US20020077285A1
; GENERAL INFORMATION:
; APPLICANT: Memorial Sloan-Kettering Cancer Center
; TITLE OF INVENTION: Identification and Characterization of Multiple Splice
; FILE REFERENCE: Variants of Mu-
; CURRENT APPLICATION NUMBER: 830002-2000.1
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/743,872
; PRIOR FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentln version 3.0
; SEQ ID NO 18
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-761-962-18

Query Match
Best Local Similarity 7.0%; Score 70.5; DB 10; Length 359;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;

QY 25 FPPSTGV--LCTLAITWRLKPSADCGPRLPL-----FIHSIYSWI----- 66
DB 109 YNMTSTIFTCTMSVD---RYIACHPVKALDRTPRNAKIIVNCWILSSAIGLPYM 164
QY 67 --DLSTFRPG-----YLVWVYIRNLIGSVHFFILLIYLITLYLWQTEGKIKMI 117
DB 165 FMATTKYRGSGIDCTLTFSHPWYWNELKICVFIFAFIMPVLITVCY-----GLMIL 218
QY 118 RLHEQIINEGDK 131
DB 219 RLKSVRLMSGSEK 232

RESULT 13
US-09-815-242-11146
; Sequence 11146, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
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: PRIOR APPLICATION NUMBER: 60/269,308
: PRIOR FILING DATE: 2001-02-16
: NUMBER OF SEQ ID NOS: 14110
: SOFTWARE: FASTSEQ FOR WINDOWS VERSION 4.0
: SEQ ID NO: 11146
: LENGTH: 390
: TYPE: FNT
: ORGANISM: Haemophilus influenzae
: OS-09-815-242-11146

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Query Match	7.0%;	Score 70.5;	DB 10;	Length 390;
Best Local Similarity	26.8%;	Pred. No. 6.9;		
Matches 33; Conservative	18;	Mismatches 33;	Indels 39;	Gaps 7;

```

QY 92 FEFITLVLITTYXW-----OITE-----GKRIILRHEOI-----IN-EGDKM 132
Db 27 FILLILITIGICALYWEFFELKDPEETEDAVGQNVW---SSQAVNARIANADNDKY 83
QY 133 FLEIEKRLIODEKKAN-----PSSLYLREPREVOGEF-----LHIGEDHGS 175
Db 84 HAGDILVYELDTNNKLSFEQAKSMLNAAVQYVEBGLGTYYQOLGSAVHANEISLAQOGL 143
QY 176 DLR 178
Db 144 ARR 146

```

RESULT 14  
US-09-761-962-25  
; Sequence 25, Application US/09761962  
; Patent No. US20020077285A1

```

? APPLICANT Memorial Sloan-Kettering Cancer Center
? TITLE OF INVENTION: Identification and Characterization of Multiple Splice
? TITLE OF INVENTION: Variants of Mu-
? TITLE OF INVENTION: oploid Receptor (MOR-1) Gene
? FILE REFERENCE: 830002-2000.1
? CURRENT APPLICATION NUMBER: US/09/761,962
? CURRENT FILING DATE: 2001-01-17
? PRIOR APPLICATION NUMBER: 09/743,872
? PRIOR FILING DATE: 2001-03-13
? NUMBER OF SEQ ID NOS: 46
? SOFTWARE: patentIn version 3.0
? SEQ ID NO 25
? LENGTH: 390
? TYPE: PRT
? ORGANISM: Mus musculus
US-09-761-962-25

```

Query Match	7.0%;	Score 70.5;	DB 10;	Length 390;
Best Local Similarity	22.4%;	Pred. No. 6.9;		
Matches 30; Conservative	23;	Mismatches 44;	Indels 37;	Gaps 6;

```

QY 25 FEPSTGV--LCTAIIITWRLKPSADGPFEGJLJ-----FHISYIWI-----66
      :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
Db 148 YNNMETSEFTLCTMSVD-----RYIAYCHPVALDEFTPRNNAKIYVNCNMIISSAIGLPVM 203
      :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
QY 67 --DLSTSPRG-----YLMVWVWYRNLNIVSHHFEFLITLIVLITLWQIINEGRKIMI 117
      :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
Db 204 FMATITKYQGSIDCLTLPFTHSPFTWIMENLKLICVITFAFMFVLITIVCY-----GLMIL 257
      :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
QY 118 RLHEQIINEGRDK 131
      :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
Db 258 RLKSVRLMISGSKRK 271
      :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::

```

RESULT 15  
 US-09-761-962-26  
 : Sequence 26, Application US/09761962  
 : Patent No. US20020077285A1  
 : GENERAL INFORMATION:  
 : APPLICANT: Memorial Sloan-Kettering Cancer Center  
 : TITLE OF INVENTION: Identification and Characterization of Multiple Splice

```

: TITLE OF INVENTION: Variants of Mu-
: TITLE OF INVENTION: opioid Receptor (MOR-1) Gene
: FILE REFERENCE: 830002-2000.1
: CURRENT APPLICATION NUMBER: US/09/761, 962
: CURRENT FILING DATE: 2001-01-17
: PRIOR APPLICATION NUMBER: 09/743, 872
: PRIOR FILING DATE: 2001-03-13
: NUMBER OF SEQ ID NOS: 46
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 26
: LENGTH: 391
: TYPE: PRT
: ORGANISM: Mus musculus
US-09-761-962-26

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[illegible]

Search completed: November 9, 2002, 04:43:29  
Job time : 71 secs

Search completed: November 9, 2002, 04:43:29  
Job time : 71 secs